

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-20. (canceled)

Claim 21 (previously presented): A three-dimensional (3D) display device comprising a backlight, the backlight comprising a planar light guide through which light is guided transversely by internal reflection, wherein regions of the light guide are configured to direct light propagating within the light guide, out of a face of the light guide so as to form a plurality of line light sources.

Claim 22 (previously presented): The 3D display device according to claim 21, wherein said regions comprise grooves.

Claim 23 (previously presented): The 3D display device according to claim 22, wherein the grooves are filled with

a material having a higher refractive index than the light guide.

Claim 24 (previously presented): The 3D display device according to claim 22, comprising cylindrical lenses disposed in the mouths of each groove.

Claim 25 (previously presented): The 3D display device according to claim 24, wherein the cylindrical lenses are formed integrally with the material which fills the grooves.

Claim 26 (previously presented): The 3D display device according to claim 23, wherein the material is Poly(naphthyl methacrylate).

Claim 27 (withdrawn): The 3D display device according to claim 23, wherein the material is a composite material.

Claim 28 (withdrawn): The 3D display device according to claim 23, wherein the material is birefringent.

Claim 29 (withdrawn): The 3D display device according to claim 28, wherein the material has a refractive index substantially equal to that of the light guide in a polarization direction perpendicular to the grooves and a refractive index greater than that of the light guide in a polarization direction parallel to the grooves.

Claim 30 (withdrawn): The 3D display device according to claim 28, wherein the material is a stretched polymeric film.

Claim 31 (previously presented): The 3D display device according to claim 30, wherein the material is one of Poly-Ethylene-Terephthalate (PET) and Poly-Ethylene-Naphtalate (PEN).

Claim 32 (previously presented): The 3D display device according to claim 23, wherein the material which fills the grooves is formed as a layer extending across the upper surface of the light guide, the thickness of the layer being small with respect to the period of the grooves.

Claim 33 (previously presented): The 3D display device according to claim 22, wherein the grooves have a V-shaped cross-section.

Claim 34 (previously presented): The 3D display device according to claim 21, wherein the light guide is made from Poly(methyl methacrylate).

Claim 35 (previously presented): The 3D display device according to claim 21, comprising a light source disposed adjacent to at least one side face of the light guide.

Claim 36 (previously presented): The 3D display device according to claim 35, wherein the light source is one of an LED and a CCFL.

Claim 37 (previously presented): The 3D display device according to claim 22, comprising a backlight and a display panel.

Claim 38 (previously presented): The 3D display device according to claim 37, wherein the grooves of the light

guide are skewed by an angle relative to columns of sub-pixels of the display panel.

Claim 39 (withdrawn): The 3D display device according to claim 37, comprising a light diffuser disposed between the backlight and the display panel, wherein the light diffuser is switchable between a high scattering mode and a low scattering mode.

Claim 40 (withdrawn): The 3D backlight according to claim 21, wherein the light guide comprises a non-pattered substrate and a micro-structured foil.

Claim 41 (new): The 3D display device according to claim 23, wherein the material is not birefringent.